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METHOD FOR TRANSMITTING DATA ON PHYSICAL  
RESOURCE AND UMTS MOBILE PHONE SYSTEM

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a transmission method for ensuring transmission quantity for a service even when a transmission power of a signal to support the service can no longer be increased and the transmission condition is deteriorated.

SOLUTION: This invention relates to a method for transmitting data on a physical resource by using a layer (RRC) having a function of physical resource management and service quality assurance, a sub layer (RLC) having a function of providing transmission support according to the required service quality, a sub layer (MAC) with an access function to the physical resource and a physical layer (PHY) with a function of data physical processing. The access to the physical resource is divided into a transmission time interval(TTI), the sub layer (RLC) can segment data for a transmission unit (RLC PDU), the sub layer (MAC) can transmit at least one transmission unit at each transmission time interval, and when the transmission condition on the physical resource is deteriorated, the size of the transmission unit is reduced.

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